

FILED NO. 10.005

NID File ✓
 On S R Sheet _____
 Location Map Pinned ✓
 Card Indexed ✓
 I W R for State or Fee Land _____

Checked by Chief RPL
 Copy NID to Field Office ✓
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 4-26-62

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

ST GW ✓ OS _____ PA _____

State of Fee Land _____

LOGS FILED

Driller's Log 5-14-62

Electric Logs (No.) 4

E _____ I ✓ E-I _____ GR ✓ GR-N _____ Micro _____

Lat _____ Mi-L _____ Sonic _____ Others Formation Density Log

Temperature

York

FILE NOTATIONS

Entered in NID File _____
Entered On S R Sheet _____
Location Map Pinned ✓ _____
Card Indexed _____
IWR for State or Fee Land _____

Checked by Chief *JMD* _____
Copy NID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed *11-12-65*

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

ST GW ✓ OS _____ PA _____

State of Fee Land _____

LOGS FILED

Driller's Log *re-comp. rpt.*

Electric Logs (No.) *1*

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____

Lat. _____ Mi-L _____ Sonic _____ Others _____

Cement Bond Log

March 21, 1961

English Oil Company
366 South 5th East
Salt Lake City, Utah

Attn: M. Darwin Quigley, Chief Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Thompson-Ralphs #23-27, which is to be located 1980 feet from the south line and 1980 feet from the west line of Section 27, Township 20 South, Range 7 East, SLEM, Emery County, Utah.

Please be advised that approval to drill said well is hereby granted in accordance with Drilling Unit #30 established in the Order issued for Cause No. 7, on December 13, 1957. However, said approval is conditional upon a bond being filed with this Commission prior to the well being spudded in.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

C. B. FREIGHT, Executive Director
Office Phone: DA 8-5771 or DA 8-5772
Home Phone: HU 3-2721

ROBERT L. SCHMIDT, Chief Petroleum Engineer
Office Phone: DA 8-5771 or DA 8-5772
Home Phone: AM 6-8616

English Oil Company
Attn: M. Darwin Quigley, Chief Geologist

March 21, 1962
Page Two

Address all other forms of communication to the Utah State Oil and Gas Conservation Commission, 310 Newhouse Building, Salt Lake City, Utah.

Please have the enclosed "Minimum Safety Requirements" notice posted in a conspicuous place on the drilling location.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE DIRECTOR

CBF: kpb
Enclosure

cc: H. L. Coonts - OGCC, Moab

	O	

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Free and Patented ☒
State ☐
Lease No.
Public Domain ☐
Lease No.
Indian ☐
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	X	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....
Notice of Intention to Abandon Well.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

23-27 Thompson- March 20, 1962

* Well No. Ralphs is located 1980 ft. from $\begin{Bmatrix} N \\ S \end{Bmatrix}$ line and 1980 ft. from $\begin{Bmatrix} E \\ W \end{Bmatrix}$ line of Sec. 27

NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27 T. 20 S. R. 7 E. S. L.

($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Ferron Emery Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5933 feet. (Same as ground elevation)

A drilling and plugging bond has been filed with State Conservation Commission.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

1. Drill 10-5/8" surface hole with air and set 150' of 7-5/8" casing with 50 sacs.
2. Drill additional 850' of 6-3/4" hole below surface casing with air, thru the Ferron Sandstone into the Tununk Shale.

Top Ferron	760'
Top Tununk	960'
3. After logging, set 4-1/2" casing to total depth with 100 sacs.
4. Perforate in the gas bearing sandstone intervals, frac., and test.
5. Complete, if testing indicates commercial volumes of gas.

* Drilling Unit #30

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

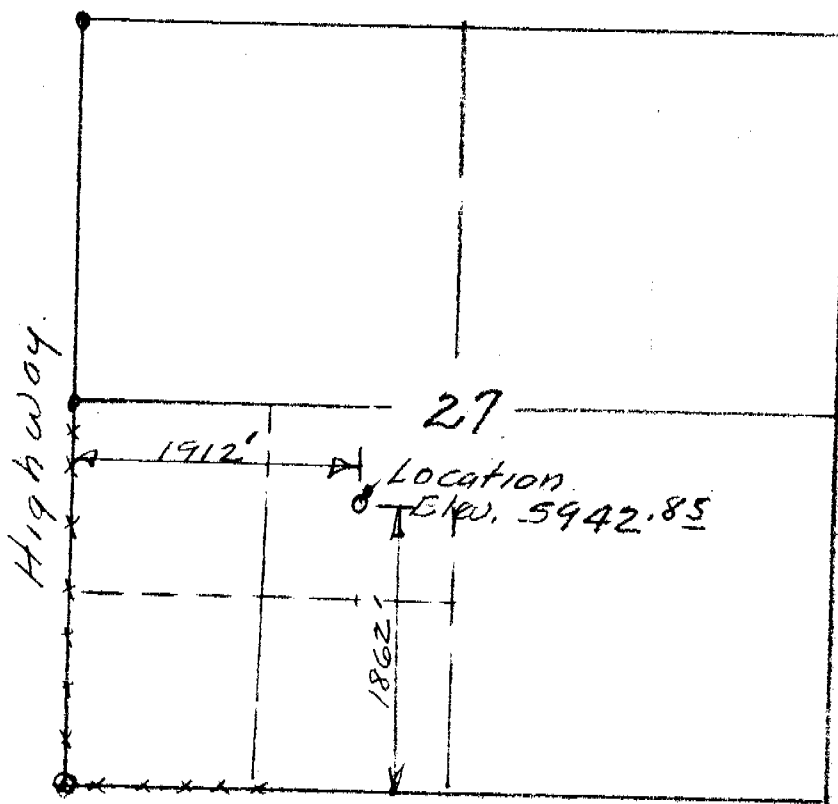
Company..... ENGLISH OIL COMPANY
Address..... 366 South Fifth East Street
Salt Lake City, Utah

By M. Darwin Quigley
M. Darwin Quigley
Title Chief Geologist

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

ENGLISH Oil Co.

Section 27 T20S R20E S.L.M.



Scale 1"=1320'

23-27- Thompson & Ralphs.

ENGINEER'S CERTIFICATE

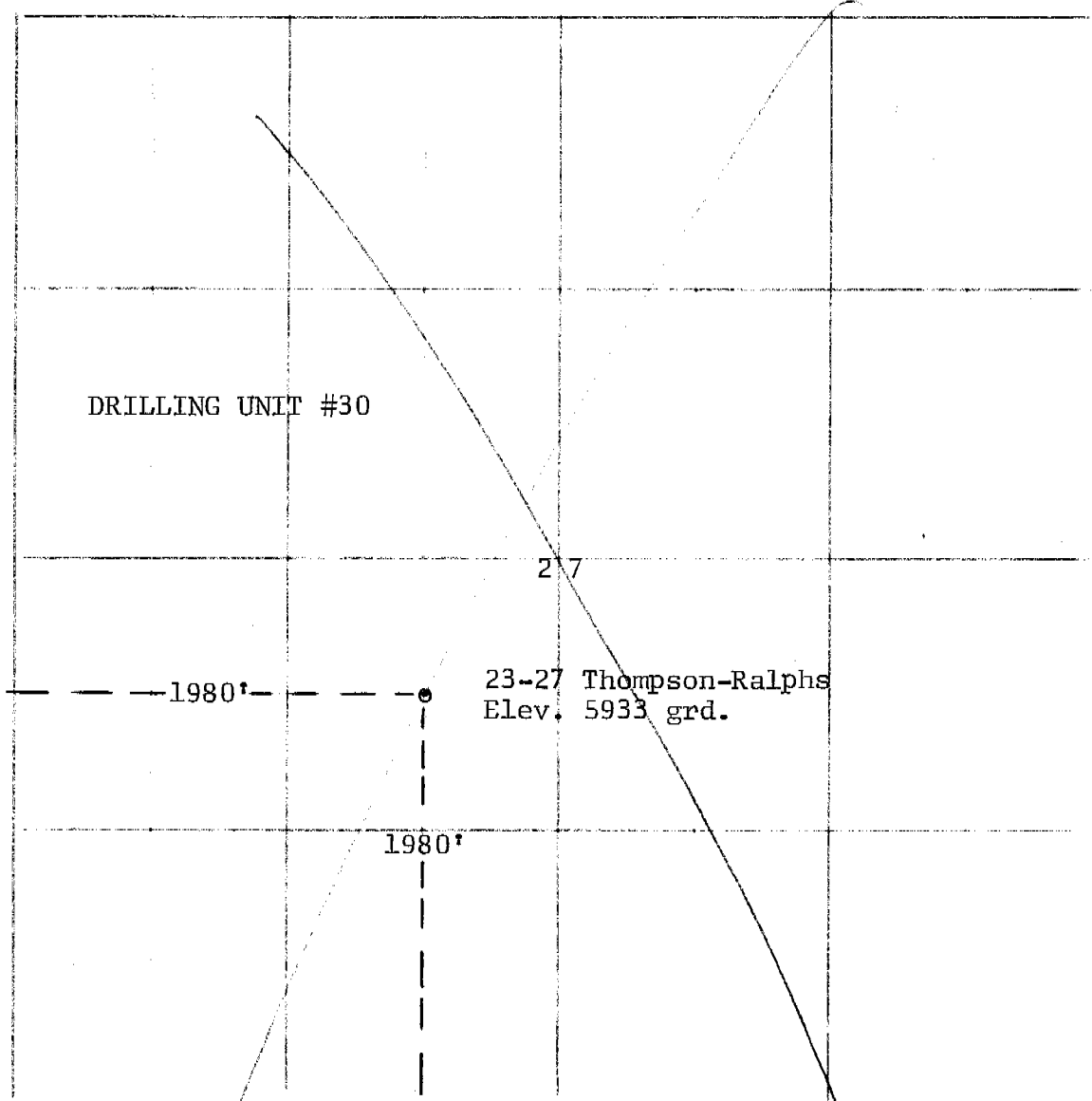
JOHN BENE, a licensed Civil Engineer and Land Surveyor, hereby certifies that between the 24th day of March and 29th day of March, 1962, he surveyed in the above location, and prepared the plat from his field notes; and to the best of his knowledge the plat is correctly drawn.

John Bene
John Bene
Utah License #1050
3/29/62

ENGLISH Oil Co.
Location NE 1/4 SW 1/4 Sec 27-20-20
Emery County Utah
Survey by John Bene C.E.
Utah #1050
3/28/62

Township No. 20 S.

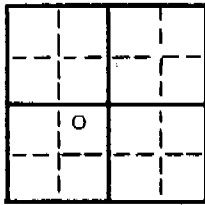
Range No. 7 E.



Meridian Line,
Base Line,
Standard Line,
Township Lines,

S.L.

Section Line,
Meander Lines,
Office Work,
Ranch Lines Re-Survey,



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 SALT LAKE CITY, UTAH

Fee and Patented.....☒
 State☐
 Lease No.
 Public Domain☐
 Lease No.
 Indian☐
 Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/> 	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History.....	
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

23-27

(REVISED) March 29, 1962

Thompson-

* Well No. Ralphs is located 1862' ft. from $\begin{Bmatrix} N \\ S \end{Bmatrix}$ line and 1912 ft. from $\begin{Bmatrix} E \\ W \end{Bmatrix}$ line of Sec. 27

NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27
($\frac{1}{4}$ Sec. and Sec. No.)

T. 20 S.
(Twp.)

R. 7 E.
(Range)

S.L.
(Meridian)

Ferron
(Field)

Emery
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 5942.85 feet. (Same as ground elevation)

A drilling and plugging bond has been filed with State Conservation Commission.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

1. Drill 10-5/8" surface hole with air and set 150' of 7-5/8" casing with 50 sacs.
2. Drill additional 850' of 6-3/4" hole below surface casing with air, thru the Ferron Sandstone into the Tunnuk Shale.
 Top Ferron 760'
 Top Tunnuk 960'
3. After logging, set 4-1/2" casing to total depth with 100 sacs.
4. Perforate in the gas bearing sandstone intervals, frac., and test.
5. Complete, if testing indicates commercial volumes of gas.

* Drilling Unit #30

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company ENGLISH OIL COMPANY

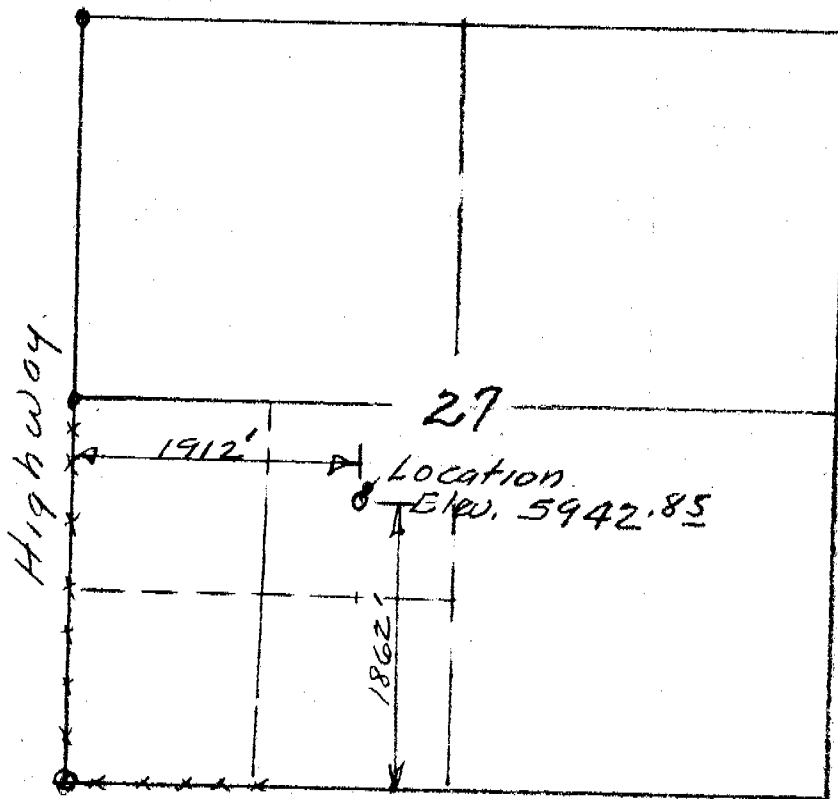
Address 366 South Fifth East Street
Salt Lake City, Utah

By Robert A. Patterson
 Robert A. Patterson
 Title Chief Landman

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

ENGLISH Oil Co.

Section 27 T20S R20E S.L.M.



Scale 1"=1320'

23-27- Thompson & Ralphs.

ENGINEER'S CERTIFICATE

JOHN BENE, a licensed Civil Engineer and Land Surveyor, hereby certifies that between the 24th day of March and 29th day of March, 1962, he surveyed in the above location, and prepared the plat from his field notes; and to the best of his knowledge the plat is correctly drawn.

John Bene
John Bene
Utah License #1050
3/29/62

ENGLISH Oil Co.
Location NE 1/4 SW 1/4 Sec 27-20-20
Emery County Utah
Survey by John Bene C.E.
Utah #1050
3/28/62

April 5, 1962

English Oil Company
366 South 5th East
Salt Lake City, Utah

Attn: Robert A. Patterson, Chief Landman

Gentlemen:

This is to acknowledge receipt of your revised notice of intention to drill Well No. Thompson-Ralphs #23-27, which is to be located 1862 feet from the south line and 1912 feet from the west line of Section 27, Township 20 South, Range 7 East, SLER, Emery County, Utah.

Please be advised that approval to drill said well is hereby granted in accordance with Drilling Unit #30 established in the Order issued for Cause No. 7, on December 13, 1957.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

C. B. FREIGHT, Executive Director
Office Phone: DA 8-5771 or DA 8-5772
Home Phone: HU 5-2721

ROBERT L. SCHMIDT, Chief Petroleum Engineer
Office Phone: DA 8-5771 or DA 8-5772
Home Phone: AM 6-8616

English Oil Company
Attn: Robert A. Patterson, Chief Landman

April 5, 1962
Page Two

Address all other forms of communication to the Utah State Oil and Gas Conservation Commission, 310 Newhouse Building, Salt Lake City, Utah.

Please have the enclosed "Minimum Safety Requirements" notice posted in a conspicuous place on the drilling location.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE DIRECTOR

CBF:kb
Enclosure

cc: H. L. Coonts - OCCC, Moab

PACIFIC NATURAL GAS EXPLORATION COMPANY

720 WEST EIGHTH STREET
LOS ANGELES 17, CALIFORNIA

H. L. BOSSHARD
TREASURER AND
ASSISTANT SECRETARY

April 12, 1962

Mr. Don F. Russell
U. S. Department of the Interior
Geological Survey
Branch of Oil and Gas Operations
445 Federal Building
Salt Lake City 1, Utah

Mr. Allen B. Feight
Oil and Gas Conservation Commission
318 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Mr. Max Gardner
Utah State Land Board
Capitol Building
Salt Lake City 1, Utah

Gentlemen:

As of February 28, 1962, Pacific Natural Gas Exploration Company and English Oil Company entered into a farmout agreement covering the drilling of certain wells by Pacific on English's acreage in the Ferron Field area, Emery County, Utah.

It is the intent and agreement of the parties to this farmout that Pacific is the interested and responsible party in the drilling of said wells, and English is only acting as Pacific's agent in supervising the drilling of the wells.

Yours very truly,

H. L. Bosshard

HLB:wb

cc: Mr. R. A. Patterson

Salt Lake City, Utah

LOCATE WELL CORRECTLY

To be kept Confidential until August 1, 1962
(Not to exceed 4 months after filing date)

Operating Company English Oil Company Address 366 S. 5th E., Salt Lake City, Utah
Lease or Tract B Thompson-Ralphs Field Ferron State Utah
Well No. 23-27 Sec. 27 T. 20S R. 7E Meridian S.L. County Emery
Location 1862 ft. [N.] of S Line and 1912 ft. [E.] of W Line of Section 27 Elevation 5951
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date May 7, 1962

Title Chief Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling April 2, 1962 Finished drilling April 10, 1962

(Denote gas by G)

No. 1, from 790 to 847 (G) No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

(Salt Water)

No. 1, from 868 to 951/ (Salt water) No. 3, from to
No. 2, from to No. 4, from to

[illegible][illegible]

Heaving plug—Material _____ Length _____ Depth set _____

MARK

SOLD

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from Surface feet to T.D. 983' feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Date P & A _____, 19____ Put to producing Shut In April 26, 1962

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 217 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 400#

EMPLOYEES

g Bob Reed _____, Driller George Chesney _____, Driller

C. D. Davenport _____, Driller _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
At the end of complete Driller's Log add Geologic Tops. State whether from Electric Logs or samples.			
Surface	790'	790'	Mancos
	Top Ferron 790 (Schlumberger)		
790'	951'	161'	Ferron
	Top Tunnunk 951' (Schlumberger)		
951'	983'	32'	Tunnunk
(See reverse side for descriptions)			

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
0	330	330'	No samples
330	590	260'	Sh; dk gy to blue gy, sl cal, uniform.
590	740	150'	Sh; dk gy, cal, speckled, sl bentonitic.
740	750	10'	Bentonite; chalky to gy, waxy.
750	790	40'	Sltst; gy, cal, becomes more sandy at bottom.
790	801	11'	Ss; gy, v.f., slty, tite, coally, pyr.
801	814	13'	Core #1: Rec'd 13' ss, transl, ang, f to med, sl. s & p, irreg, p & p, friable, cr. gr. at bottom, Anhy. or gyp. cem.
814	833	19'	Core #2: Rec'd 19' Ss; colorless, clean, ang, f to med, less friable, poor p & p, coal & carb ptgs.
833	849	16'	Core #3: Rec'd 16' Ss; gy to transl., f, tite, ang, anhy cem, carb ptgs, lmy at the base.
849	869	20'	Sh; gy, irreg, slty, v sl cal, coally w/ 4' stk coal, bk, shiny, pyr.
869	888	19'	Core #4: Rec'd 19' Ss; gy to transl, ang, p & p, much carb & coal grades f to med, salty to taste.
888	907	19'	Core #5: Rec'd 19' Ss; gy, s & p, mostly clear qtz, gyp. cem, sub-ang, f to med, v p & p, v friable, salty, occ. coal ptgs.
907	951	44'	Ss; clear, sub-ang, med, friable, salty.
951	983 TD	32'	Sh; bk, platy, pyr, mic, marine.

MAY 14 1962

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

State whether electric logs were run.

Apr. 2 - Apr. 10, 1962 Spurred, drilled 6-3/4" hole to 256', Reamed 11" hole to 163', set 150' of 7-5/8" pipe at 153' below surface with 75 sacs, drilled out and drilled 6-3/4" hole to 801', Cored to 849', then reamed out to 6-3/4" and drilled to 869', then cored to 907', then reamed out to 6-3/4" and drilled to 983', total depth, ran 4-1/2" pipe to 956' and cemented with 125 sacs.

Apr. 11 - Apr. 19, 1962 W.O.C.

Apr. 20 - Apr. 21, 1962 Blew wtr. down, perf. 804-806' with crack-jets, frac-ed with 120 bbls of liquid CO₂,

Frac. pressure 4550#

Injection pressure 1500#

Injection rate 8 bbls/min.

Apr. 26, 1962

Ran Flow Test 3 1/2 hrs - Open Flow

Rate = 217 MCFGPD

Shut in for lack of market

Ran Induction-gamma, Temperature, and Formation-density logs.

6N

June 20, 1962

MEMO FOR FILING

Re: English Oil Company
Operations in Ferron Field
Gas Field

I talked to Mr. Darwin Quigley June 18, 1962 in Re: to their operations in the Ferron Area to find out the status of the wells. They have completed one, the Thompson-Ralphs 23-27, Sec. 27, T. 20 S, R. 7 E., They have plugged and abandoned two; the Barton 41-21, Sec. 21, T. 20 S, R. 7 E., and the Nelson 41-27, Sec. 27, T. 20 S, R. 7 E.,. The locations have not been cleaned.

The rest of the proposed locations are undrilled and the area' is now in the process of being unitized.

HARVEY L. COONE'S
PETROLEUM ENGINEER

HLG:cn

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-11254.
6. LEASE DESIGNATION AND SERIAL NO.

00731-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Not Applicable

7. UNIT AGREEMENT NAME

Ferron

8. FARM OR LEASE NAME

Thompson-Ralphs

9. WELL NO.

23-27

10. FIELD AND POOL, OR WILDCAT

Field

11. SEC. T. R. M., OR BLK. AND
SURVEY OR AREANE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 27, T 20S,
R 7E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	2. NAME OF OPERATOR Pacific Natural Gas Exploration Company
3. ADDRESS OF OPERATOR P. O. Box 2436, Salt Lake City, Utah 84110	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1862' N of SL and 1912' E of WL Sec 27, T 20S, R 7E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5951' DF

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

Rework

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

(See attached proposed rework program)

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

DATE: 9-29-65

By Paul W. Berschell
CHIEF PETROLEUM ENGINEER

18. I hereby certify that the foregoing is true and correct

SIGNED E. F. Loman TITLE Drilling Superintendent DATE _____

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

DATE _____

*See Instructions on Reverse Side

PROPOSED REWORK PROGRAM
FOR
FERRON UNIT NO. 23-27
(Thompson-Ralph No. 23-27)
NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 27, T 20S, R 7E
Emery County, Utah

Present Mechanical Condition of Well

NOTE: All measurements are 8' above ground level.

1. 7-5/8" casing cemented at 161'.
2. 4-1/2", 9.5#/foot, casing cemented with 125 sacks at 956'.
3. Perforated 4 holes per foot from 804' to 806'.

Proposed Rework Program

1. Move in small drilling rig or workover rig.
2. Fill hole with water and run cement bond log.
3. After reviewing bond log should the well need squeezing, shoot four 1/2" holes at 826' and squeeze with 10 sacks cement.
4. If cement bond appears to be faulty above perforations at 804'-806', shoot four 1/2" holes at 790' and squeeze with 10 sacks cement.
5. Clean out 4-1/2" casing with 3-7/8" bit to cement retainer previously set for squeezing at approximately 815'.
6. Frac through perforations at 804'-806' with a high volume sand water liquid CO₂ mixture.

EEL/chd
9-8-65

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THE REVERSE SIDE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Pacific Natural Gas Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Not Applicable	
3. ADDRESS OF OPERATOR P. O. Box 2436, Salt Lake City, Utah 84110		7. UNIT AGREEMENT NAME Ferron	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1862' FSL & 1912' FWL of Sec 27-20S-7E, S.L.M.		8. FARM OR LEASE NAME Thompson-Ralphs	
14. PERMIT NO.		9. WELL NO. 23-27	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5951' Original D.F.		10. FIELD AND POOL, OR WILDCAT Ferron-Ferron	
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec 27-20S-7E	
		12. COUNTY OR PARISH Emery	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOT OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

(See Attachment)

18. I hereby certify that the foregoing is true and correct

SIGNED R. D. Geddes

TITLE Division Manager

DATE 11-3-65

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

*See Instructions on Reverse Side

XERO COPY

XERO COPY

XERO COPY

XERO COPY

MB

HISTORY

FERRON UNIT NO. 23-27

- 10-20-65 - Prior to moving in, well stabilized at 210 psig on 1/8" plate, approximately 77 Mcfd.
- 10-21-65 - Barker Well Service moved in and rigged up. Unable to kill well with water. Killed well with 11.3#/gallon mud. Pulled tubing (2 joints 2-3/8", 4.7#, J-55, E.U.E. on top plus 25 joints 2-3/8", 4.7#, J-55, non-upset, 811.14' overall). Ran McCullough CBL, Gamma Ray Log and Collar Locator. CBL indicated excellent bonding from 831' (depth reached inside of 4-1/2" casing) to approximately 267'. Good correlation with Gamma Ray Log originally run. Collar Locator gave poor indication of perforations from 804'-806'. Perforated two 1/2" h.p.f. (McCullough 25 gram jets) 794'-796' and reperforated 804'-806' with two 1/2" h.p.f.
- 10-22-65 - Ran tubing to 811' and circulated mud out of hole with fresh water. Well kicked off and on a two-hour test, showed 150# on 1/8" plate in one hour and 160# on a 1/8" plate in two hours, building. Pulled tubing. Fraced well (Dowell) as follows:
- Filled hole with water and attempted to break down perforations. Perforations would not break down with 3000#. Ran tubing with Baker fullbore packer and set packer at 785'. Pumped in 250 gallons of 15% MCA. Perforations broke down at 2200# and injection rate at 2200# was 12 B.P.M. Started frac at 5:45 P.M. After approximately 350 barrels of liquid had been injected, CO₂ frac line failed and frac was discontinued.
- 10-23-65 - Continued with, and finished frac. Total water used, 790 barrels. Used 110 barrels of liquid CO₂ and 31,457# of 10/20 sand. Maximum sand concentration 1-3/4#/gallon. Treated water with J-133. Dropped 2 ball sealers. Average injection rate 32 B.P.M. Maximum pressure 1600#, average pressure 1300#, instantaneous shut-in pressure 1000#. Ran 25 joints of 2-3/8", 4.7#, J-55, non-upset tubing and 2 joints of 2-3/8", 4.7#, J-55, E.U.E., 811.14' overall, open ended. Flanged up wellhead. Started blowing well back to clean up at 11:00 A.M. Rig released at 5:00 P.M.
- 10-24-65 - Blowing well back to cleanup.
- 10-25-65 - Blowing well back to cleanup.
- 10-26-65 - Shut well in at 11:00 A.M. Plan to flow test. Details to follow.

January 18, 1966

Pacific Natural Gas Exploration Company
720 W. 8th Street
Los Angeles, California

Re: Well Nos. Thompson-Ralphs 23-27
Sec. 27, T. 20 S., R. 7 E.,
Fee #1-14
Sec. 14, T. 20 S., R. 7 E.,
Emery County, Utah

December, 1965

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the above mentioned month (s), for the subject well. Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGCC-1b (U. S. Geological Survey Form 9-331, "Sundry Notices and Reports on Wells"), or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your immediate attention is required in this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANNETTE R. HANSEN
RECORDS CLERK

arh

Enclosures: Forms

FERRON UNIT NO. 23-27
FLOW TEST 11-10-65 to 11-12-65
WITNESSES: BATES & SAWITKE - MFSCO.
GEDDES - PNGE

<u>DATE</u>	<u>TIME</u>	<u>ELAPSED TIME HOURS</u>	<u>WELLHEAD WORKING PRESSURE</u>		<u>TEMP. OF</u>	<u>ORIFICE INCHES (2" PROVER)</u>	<u>RATE MCFD @ 14.65 PSIA</u>	<u>REMARKS</u>
			<u>TUBING PSIG</u>	<u>CASING PSIG</u>				
11-10-65	1510		371	371		0		Opened tubing
	1510					1/8		
	1525	1/4	363	363	54	1/8		
	1540	1/2	359+	359+	54	1/8		
	1555	3/4	358-	357+	55			Shut-in
	1556					1/4		Opened tubing
	1600					1/4		
	1615	1/4	330	330+	54	1/4		
	1630	1/2	319	320-	55	1/4		
	1645	3/4	311+	313-	54			Shut-in
	1645					7/16		Opened tubing
	1648					7/16		
	1703	1/4	244	248	56	7/16		
	1718	1/2	225	231	56	7/16		
	1733	3/4	212	218	56			Shut-in
	1734					5/8		
	1735					5/8		Light mist
	1750	1/4	151	151-	56	5/8		Medium mist
	1805	1/2	111	146	56	5/8		Heavy mist
	1820	3/4	103	139	56			
11-11-65	735	14	38	64	58	5/8		Heavy mist
	1625	22-5/6	30	53	58	5/8	359	Heavy mist
	1625							Shut-in
11-12-65	1000	17-1/2	275-	275+		0		
	1430	22-1/2	286-	286-		0		

RDG/11-17-65

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1122

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Not Applicable

7. UNIT AGREEMENT NAME

Ferron

8. FARM OR LEASE NAME

Thompson- Ralph

9. WELL NO.

23-27

10. FIELD AND POOL, OR WILDCAT

Ferron

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 27-205-7E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

1. OIL
WELL ☐ GAS
WELL ☒ OTHER

2. NAME OF OPERATOR

Pacific Natural Gas Exploration Co.

3. ADDRESS OF OPERATOR

720 West Eighth Street, Los Angeles, California

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1862' T&L & 1912' T&L of Sec. 27-205-7E, S.L.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5951' Original D.F.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugged well as follows:

1. Placed 20 sack plug from 820' to 580' in 4½" casing.
2. Squeezed 5 sacks between 4½" casing and 7 5/8" surface casing at surface.
3. Placed 5 sack plug from 0' to 50' in 4½" casing.
4. Took well head off and erected dry hole marker.
5. Cleaned location.

Job completed 3-11-67

18. I hereby certify that the foregoing is true and correct

SIGNED E. E. Loman

TITLE Consultant

DATE 3-31-67

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <i>Not Applicable</i>
2. NAME OF OPERATOR <i>Pacific Natural Gas Exploration Co.</i>		7. UNIT AGREEMENT NAME <i>Jerkon</i>
3. ADDRESS OF OPERATOR <i>720 West Eighth Street, Los Angeles, California</i>		8. FARM OR LEASE NAME <i>Thompson-Ralph</i>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <i>1862' SL & 1912' JWL of Sec. 27-20S-7E, S.L.M.</i>		9. WELL NO. <i>23-27</i>
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT <i>Jerkon</i>
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <i>5951' Original D.P.</i>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <i>Sec. 27-20S-7E</i>
		12. COUNTY OR PARISH <i>Essex</i>
		13. STATE <i>Utah</i>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugged well as follows:

- 1. Placed 20 sack plug from 820' to 980' in 4 1/2" casing.*
- 2. Squeezed 5 sacks between 4 1/2" casing and 7 5/8" surface casing at surface.*
- 3. Placed 5 sack plug from 0' to 50' in 4 1/2" casing.*
- 4. Took well head off and erected dry hole marker.*
- 5. Cleaned location.*

Job completed 3-4-67

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Consultant

DATE

3-31-67

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: